NEW PROJECT REQUEST FORM ES&H PROJECTS

a. Fac	ility Code		For Dat	ta Reference Use Only	b. ADS Number			
	vity Data Sheet (A	ADS) Identification	on Section					
	•	ŕ		Comply with Article 12 Rec	quirements			
3a. ADS Area: (Select 1 only) (X) ES&H () Equally ES&H and Infrastructure or Program								
4. Da	ata Sheet Status Co	ode: (Select 1 only) (X) Open () Closed () Hold () Discontinued () Void			
14. C 15. C	13. Contractor Division Collider-Accelerator Dept 14. Contr. Department Collider-Accelerator Dept 15. Contractor Manager Anthony Nicoletti Champion Email tonyn@bnl.gov 16. Contractor Phone 631-344-3961 Champion Pager 453-5885							
20. I	ES&H Functional Award Site: http://e	Area Breakdown		ditional pages if necessary) acture/projects/projects	s.htm for listing			
	Func	ctional Area		Sub-Area	% Total Cost			
	CW01 GW P	Protection			75%			
	CW05 Spill Prevention Control		ol		25%			
Perce	entage of costs attri	ibutable to:	21. Train	ing:	22. Maintenance			
ADS	Type Section	-						
23. 1	ADS Type: (Select 1	only) () (Core	(X) Compliance	() Improvement			
	,	ch additional pages a epweb.pe.bnl.g	• /	ucture/projects/projects	s.htm for listing			
	Driver Type	Driver Code	Primary? (Just one)	1	Driver Title			
	ESH SDWA Safe Drinking Water Act					_		
Ī	ORD	RD DOE 5400.01 General Environmental Protection Program						

25. Compliance Comments (Attach additional pages as necessary)

X

Suffolk

Article 12

Other

These areas have been examined by the Suffolk County Article 12 Representative and the BNL ESD. Suffolk County requires the floors to be sealed for compliance. The buildings have UCON 170X heat transfer fluid, which could be released to the environment following a major system pressure boundary failure.

Suffolk Country Article 12

NEW PROJECT REQUEST FORM

	ES&H	PROJECT	Γ S	
a. Facility Code	For Da	nta Reference Us	se Only	b. ADS Number
	ription/Objective (Attach additional p	agas as nagassami	`	
Buildings 10051	H and 1005R contain piping and tanks buildings and requires that the floors b	with heat transfe	er fluid (U	
	e HFBR, BMRR and the Collider-Acce 5 500 EP high-performance polyurea by			
	for funding the floor seals and installing fer fluid, should the system pressure be building.			
27. ADS Appra	isal/Justification (Attach additional p	ages as necessary)	
2. Reduce	y with the requirements of Suffolk Core the possibility of releasing the heat trainate the environment, harm aquatic li	ansfer fluid to th		
2. Potenti	ity le release of fluid to environment. al of Reportable Occurrence. f credibility with regulators and public	following major	r release o	of fluid to environment.
system 2. Instrum system	aks have been small and no fluid has be pressure is high. Chances of a major lead the Cryogenic is operating. This allows for immediate the leak of heat transfer fluid.	eak that pours of Control Room	ut of door is continu	is insignificant. ously manned when the refrigeration
. Resource Struc	cture Code (RSC): (Check One)			
LIN	Line Item - Infrastructure	X	GPP/LL	GPP - Landlord (Site GPP Fund)
LIE	Line Item - ES&H		GPP/KA	GPP - High Energy Physics Specific
AIP/KA	AIP - High Energy Physics Specific		GPP/KB	GPP - Nuclear Physics Specific
AIP/KB	AIP - Nuclear Physics Specific		GPP/KC	GPP - Basic Energy Sciences Specific
AIP/KC	AIP - BES Specific (Former ARAM)		GPP/KP	GPP - OBER Specific
OPER	Operating Funds - Special Maintenance or ES	S&H Program Suppo	ort	
OPER/X	X Department / Division Operating Funds (xx	- 2 Digit Dept / Div.	Code)	
42. Activity Co	is funded from an allocable cost pool, provide st Estimate (x \$1,000) 43. FTE al funded projects indicate cost expecta	Requirements	or all othe	er projects place project total cost in

Estimated Implementation Costs in \$1,000	% ESH	FTEs (to two decimals)
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the unfunded field.

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Fiscal Year	Operating Expense (OE)	Capital Equipment (CE)	General Plant Project (GPP)	Line Item Project (LIP)	Federal	Contractor
Prior Year (PY) 1999						
Current Year (CY) 2000						
Budget Year (BY) 2001						
BY + 1 <u>2002</u>						
BY + 2 <u>2003</u>						
BY + 3 <u>2004</u>						
BY + 4 <u>2005</u>						
Unfunded* 2006						

^{*} For Compliance activities with costs beyond BY + 4, enter total estimated cost to complete in the Unfunded row.

45. Cost Estimate Notes: (Provide information on estimate, source and date of estimate, if from an ILR give number, and whether or not engineering, project management, contingency and burden is included.)

An ILR was submitted to Plant Engineering on 3/22/02 for an estimate, ILR No. 4184445. The estimate was made on 6/6/02 and is summarized below (from Work Order # EPP325):

Building 1005H – Construction \$105,000, Engineering \$14,700 (Total cost of \$119,700) Building 1005S – Construction \$225,225, Engineering \$31532 (Total cost of \$256,757)

Minimum Required Information for ESH Activity Data Sheets

The fields which have not been redlined on the ADS above are mandatory fields which must be completed following the instructions below. If information is known and you wish to utilize a redlined field, please input your data for transcription to the main database.

- 3. Provide a concise and descriptive project title.
- 3a. Indicate that this is an ESH ADS
- 13. Provide two letter Department/Division Code.
- 15. Provide name of the project champion for the activity.
- 16. Phone number of project champion.
- 17. Provide name of DOE-BHG counterpart manager for the activity.
- 18. Phone number of DOE-BHG counterpart.
- 20. Functional area addressed and percentage of each if more than one (i.e. radiation protection, industrial safety, environmental protection, etc.). Please note that percentages of functional areas addressed must equal 100%.
- 23. Indicate ADS type (Core, Compliance, Improvement, Other).
- 24. If compliance is chosen, a regulatory driver or DOE Order must be provided. If choice is not available in the draw down list, select other and provide specific driver in #25.
- 25. If compliance, discuss nature of current non-compliance briefly.
- 26. This section should be introduced by a summary of the proposed action and the issue being addressed not to exceed six typed lines. The summary should then be followed by a detailed description of the proposed activity and the issues to be addressed.
- 27. This section should be introduced by bullets which succinctly discuss the benefits of completing the proposed activity. This should also not exceed six typed lines. Following the bullets should be a discussion of the current risks, how the proposal will alleviate the risk and a separate discussion of ways that the risk will be mitigated until the proposal is funded, provided mitigative measures can be employed.
- 37. Provide the anticipated funding source for this activity from the table provided.
- 44. Insert into the table the anticipated costs associated with the project and the appropriate column related to where funding would be anticipated from. Program funded activities

- (i.e. KA, KB, KC) should be placed into the GPP column. All operating funded activities including department/division supported and special maintenance activities should be placed in the OE column. Any project that is currently unfunded pending a decision to be made outside of your organization should be placed in the year 2005 at this time.
- 45. A statement or supporting information should be provided on how the estimate was arrived at. It should also be indicated as to whether the activity could be phase funded over two or more years or if circumstances require completion within the same fiscal year.